Installation Instructions

9A231001 354/355 Lighting System Single to Double Conversion Kit

Disassembly

DANGER

Always disconnect electrical power to the unit before removing any of the unit's covers/shrouds or making any repairs to prevent the possibility of electrical shock. Failure to comply with these instructions could result in severe personal injury or death.

1. Turn off facility power breaker so there ***is no*** power in customer supplied wiring.
2. Remove screw (1, Figure 1) and slide pivot sleeve cover (2) up out of way.
3. Disconnect two wires (3) from two wires (4).

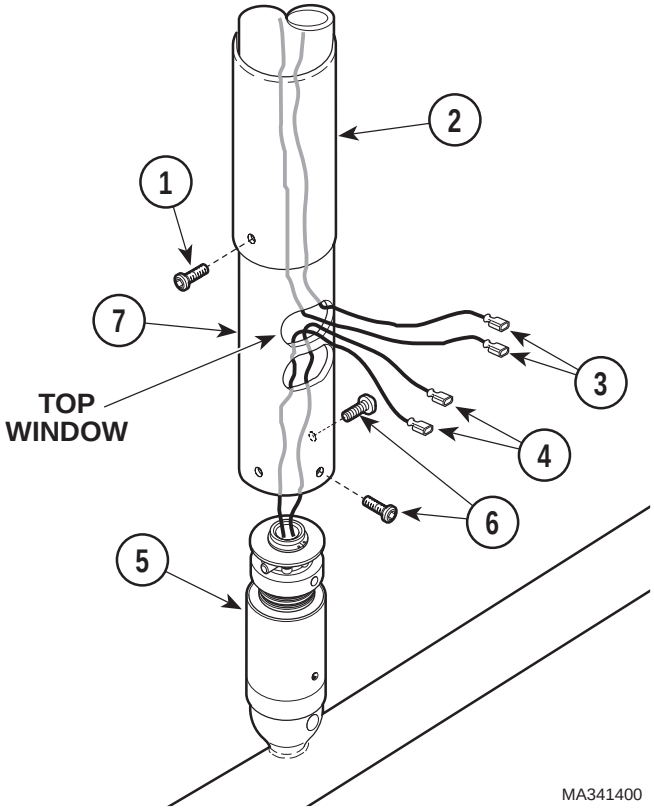

Figure 1. Cross Tube Removal

4. While supporting cross tube / lighthead (5), remove two screws (6) and separate cross tube / lighthead from down tube (7).
5. Remove four screws (1, Figure 2) and single ceiling cover (2). Slide single ceiling cover off of down tube (3). Discard single ceiling cover.
6. Loosen four screws (4) and then remove junction box cover (5) from junction box (6) by lifting upward and then outward.
7. Tag and disconnect two transformer output wires (7) from two wires (8).
8. Disconnect black facility wire (9) from black wire (10).
9. Disconnect facility white wire (11) from yellow, orange, or red transformer input wire (12).
10. Disconnect facility green ground wire (13) from green ground wire (14).
11. Remove three nuts (15), lockwashers (16), and down tube (3) from studs (17).
12. Remove three nuts (18) from studs (17).
13. Disconnect any conduit fitting attached to junction box.
14. Pull facility power wires out of junction box.

NOTE

The recommended mounting system is shown. Your mounting system may be different.

15. Remove four nuts (1, Figure 3), lockwashers (2), and ceiling plate (3) from studs (4).

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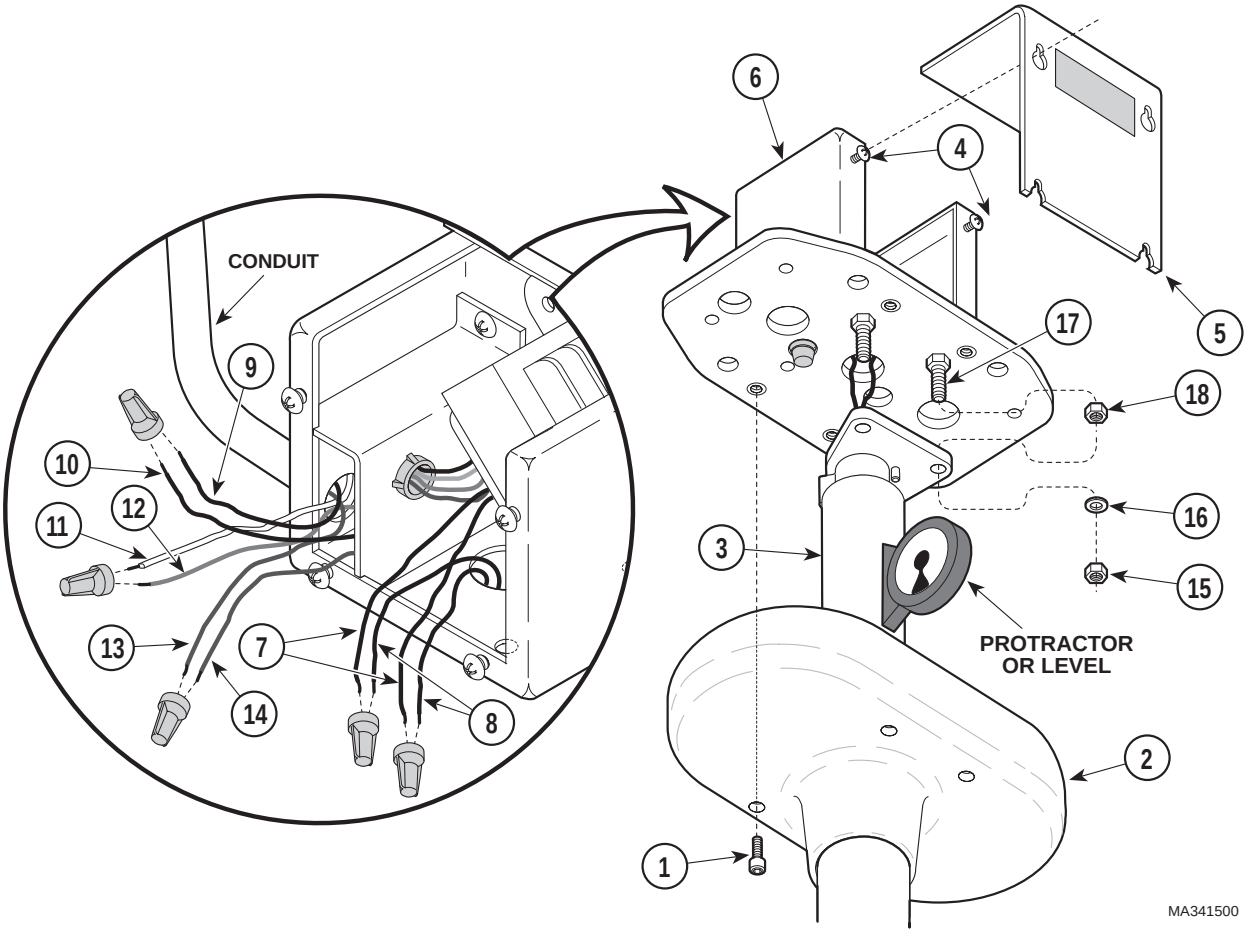

Figure 2. Transformer Wires Disconnection

Configure Ceiling Plate For Dual Lights

1. Tag and disconnect two wires (1, Figure 4) from terminals of fuse body (2).

2. Remove nut (3), washer (4), and fuse body (2) from ceiling plate (5).

3. Remove three nuts (6), six washers (7), three screws (8), and junction box assembly (9) from ceiling plate (5).

4. Repeat steps 1 thru 3 for remaining ceiling plate. Discard one of the ceiling plates.

5. Look at ceiling plate. Notice that there are three identical sets of hole patterns on the ceiling plate. On the single light system, the center hole pattern is used. On a dual light system, such as the one about to be assembled, the left and right center hole patterns are used and the center hole pattern is left unused.

6. Install junction box assembly (9) on right hole pattern of ceiling plate (5) and secure with three screws (8), six washers (7), and three nuts (6).

7. Install fuse body (2) on ceiling plate (5) and secure with washer (4) and nut (3).

8. Connect two wires (1) to terminals of fuse body (2).

9. Repeat steps 6 thru 8 for left hole pattern.

EQUIPMENT ALERT

When assembling a dual light system combination consisting of a model 354 mounted in combination with a model 355, special care must be taken to ensure that the proper junction box assembly is used for each. Failure to do so may result in a blown fuse and/or bulb. The transformer output voltage is different for the two models. The model 354 transformer is labeled with part number 015-1206-00 and the secondary leads are marked S1 and S2. The model 355 transformer is labeled part number 015-1087-00 and leads are not marked.

10. Remove and discard existing fuse replacement label (10). Install one new fuse replacement label (10) on ceiling plate (5) next to each fuse body (2).

11. Install dual light system per appropriate 354 or 355 Lighting System Installation Manual.

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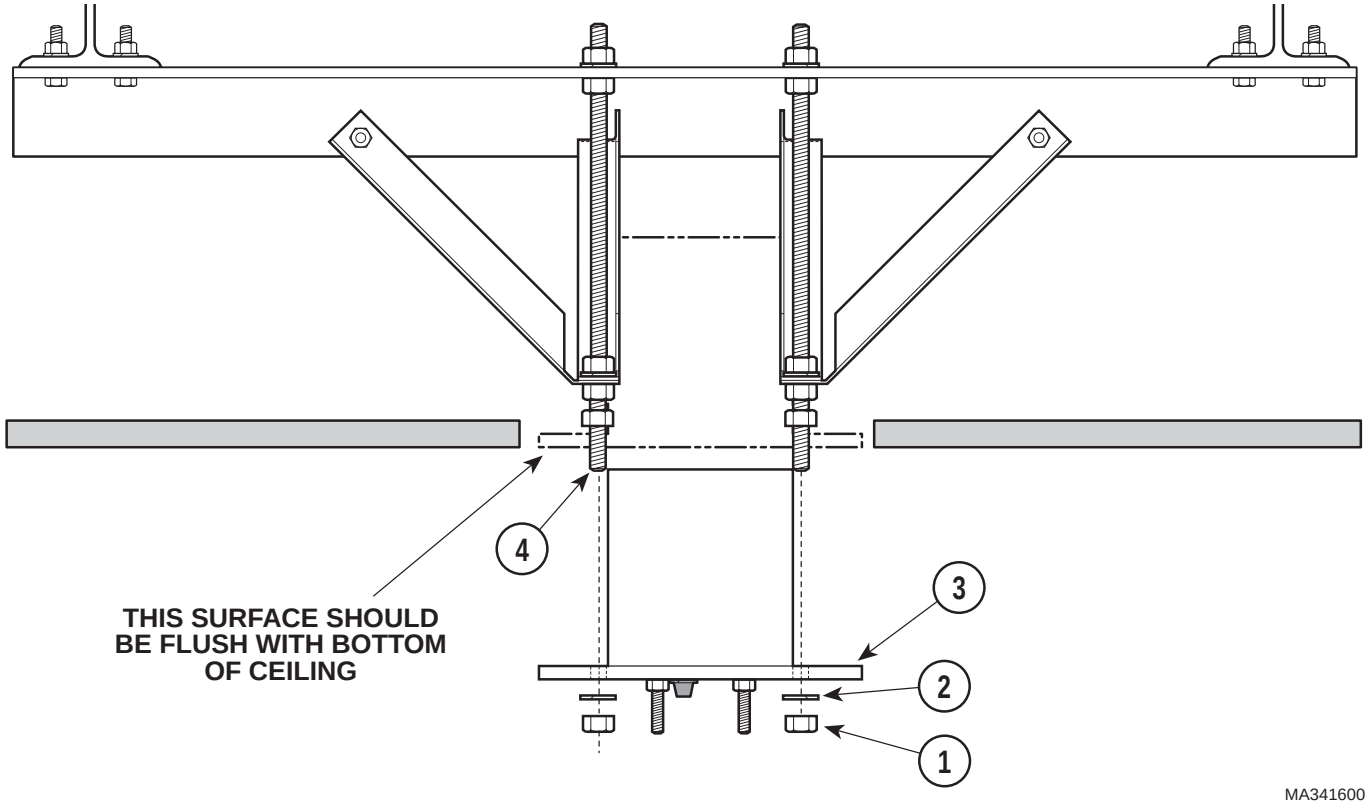

Figure 3. Ceiling Plate Removal

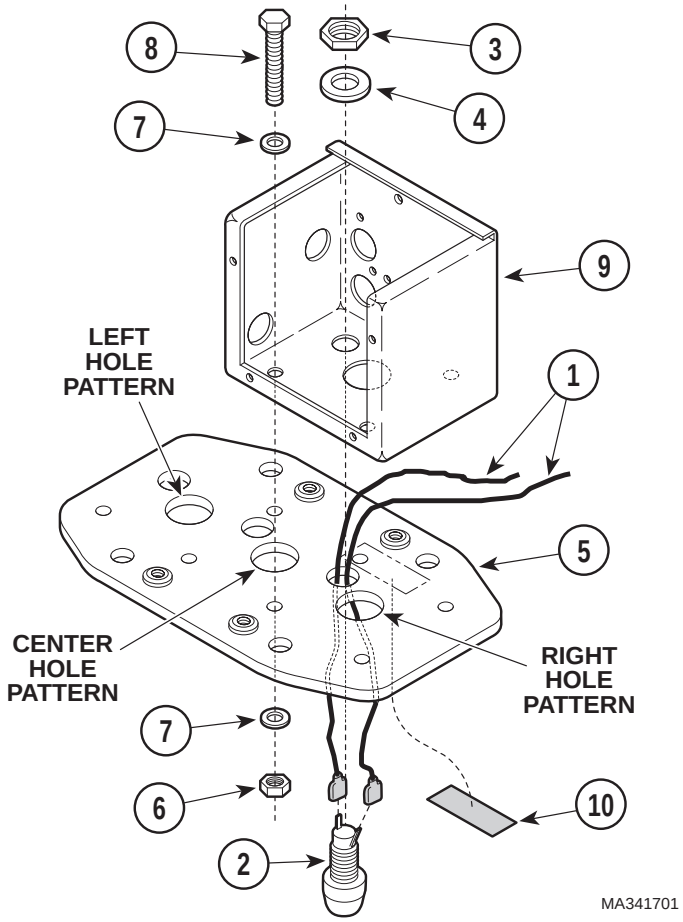

Figure 4. Assembling Double Ceiling Plate

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